

ABSTRACT

A load balancing SSL acceleration device. The device includes a processor, memory and communications interface. A TCP communications manager capable of interacting with a plurality of client devices and server devices simultaneously is provided, along with a secure communications manager. The apparatus further includes an encryption and decryption engine instructing the processor to encrypt data from a secure communications session and direct it to said second communication session. Still further, the apparatus includes a load balancing engine associating ones of said client devices with ones of said servers for a communications session based on calculated processing loads of each said server. In a further aspect, a method for performing SSL acceleration of data communications between a plurality of customer devices attempting to communicate with an enterprise having a plurality of servers is disclosed.